



Figure 1a

5'-AGTCAATCTG CTCATAATCA TAGCATAGCC GTATAGAAAG AAATTCTACA CTCTGCTACC 60
AAAAA ATG GAT TCC CCT TGC TTA GTA GCA TTA CTG GTT TTC TCT TTT 107
Met Asp Ser Pro Cys Leu Val Ala Leu Leu Val Phe Ser Phe
-21 -20 -15 -10
GTA ATT GGA TCT TGC TTT TCT GAT AAT CCC ATA GAC AGC TGC TGG AGA 155
Val Ile Gly Ser Cys Phe Ser Asp Asn Pro Ile Asp Ser Cys Trp Arg
-5 1 5
GGA GAC TCA AAC TGG GCC CAA AAT AGA ATG AAG CTC GCA GAT TGT GCA 203
Gly Asp Ser Asn Trp Ala Gln Asn Arg Met Lys Leu Ala Asp Cys Ala
10 15 20 25
GTG GGC TTC GGA AGC TCC ACC ATG GGA GGC AAG GGA GGA GAT CTT TAT 251
Val Gly Phe Gly Ser Ser Thr Met Gly Gly Lys Gly Gly Asp Leu Tyr
30 35 40
ACG GTC ACG AAC TCA GAT GAC GAC CCT GTG AAT CCT GCA CCA GGA ACT 299
Thr Val Thr Asn Ser Asp Asp Asp Pro Val Asn Pro Ala Pro Gly Thr
45 50 55
CTG CGC TAT GGA GCA ACC CGA GAT AGG CCC CTG TGG ATA ATT TTC AGT 347
Leu Arg Tyr Gly Ala Thr Arg Asp Arg Pro Leu Trp Ile Ile Phe Ser
60 65 70
GGG AAT ATG AAT ATA AAG CTC AAA ATG CCT ATG TAC ATT GCT GGG TAT 395
Gly Asn Met Asn Ile Lys Leu Lys Met Pro Met Tyr Ile Ala Gly Tyr
75 80 85
AAG ACT TTT GAT GGC AGG GGA GCA CAA GTT TAT ATT GGC AAT GGC GGT 443
Lys Thr Phe Asp Gly Arg Gly Ala Gln Val Tyr Ile Gly Asn Gly Gly
90 95 100 105
CCC TGT GTG TTT ATC AAG AGA GTT AGC AAT GTT ATC ATA CAC GGT TTG 491
Pro Cys Val Phe Ile Lys Arg Val Ser Asn Val Ile Ile His Gly Leu
110 115 120
TAT CTG TAC GGC TGT AGT ACT AGT GTT TTG GGC AAT GTT TTG ATA AAC 539
Tyr Leu Tyr Gly Cys Ser Thr Ser Val Leu Gly Asn Val Leu Ile Asn
125 130 135
GAG AGT TTT GGG GTG GAG CCT GTT CAT CCT CAG GAT GGC GAT GCT CTT 587
Glu Ser Phe Gly Val Glu Pro Val His Pro Gln Asp Gly Asp Ala Leu
140 145 150
ACT CTG CGC ACT GCT ACA AAT ATT TGG ATT GAT CAT AAT TCT TTC TCC 635
Thr Leu Arg Thr Ala Thr Asn Ile Trp Ile Asp His Asn Ser Phe Ser
155 160 165

Figure 1

AAT Asn 170	TCT Ser	TCT Ser	GAT Asp	GGT Gly	CTG Leu 175	GTC Val	GAT Asp	GTC Val	ACT Thr	CTT Leu 180	ACT Thr	TCG Ser	ACT Thr	GGA Gly	GTT Val 185	683		
ACT Thr	ATT Ile	TCA Ser	AAC Asn	AAT Asn 190	CTT Leu	TTT Phe	TTC Phe	AAC Asn	CAT His 195	CAT His	AAA Lys	GTG Val	ATG Met	TTG Leu 200	TTA Leu	731		
GGG Gly	CAT His	GAT Asp	GAT Asp 205	GCA Ala	TAT Tyr	AGT Ser	GAT Asp	GAC Asp 210	AAA Lys	TCC Ser	ATG Met	AAG Lys	GTG Val 215	ACA Thr	GTG Val	779		
GCG Ala	TTC Phe	AAT Asn 220	CAA Gln	TTT Phe	GGA Gly	CCT Pro	AAC Asn 225	TGT Cys	GGA Gly	CAA Gln	AGA Arg	ATG Met 230	CCC Pro	AGG Arg	GCA Ala	827		
CGA Arg 235	TAT Tyr	GGA Gly	CTT Leu	GTA Val	CAT His	GTT Val 240	GCA Ala	AAC Asn	AAT Asn	AAT Asn	TAT Tyr 245	GAC Asp	CCA Pro	TGG Trp	ACT Thr	875		
ATA Ile 250	TAT Tyr	GCA Ala	ATT Ile	GGT Gly	GGG Gly 255	AGT Ser	TCA Ser	AAT Asn	CCA Pro	ACC Thr 260	ATT Ile	CTA Leu	AGT Ser	GAA Glu	GGG Gly 265	923		
AAT Asn	AGT Ser	TTC Phe	ACT Thr 270	GCA Ala	CCA Pro	AAT Asn	GAG Glu	AGC Ser	TAC Tyr 275	AAG Lys	AAG Lys	CAA Gln	GTA Val	ACC Thr 280	ATA Ile	971		
CGT Arg	ATT Ile	GGA Gly	TGC Cys 285	AAA Lys	ACA Thr	TCA Ser	TCA Ser	TCT Ser 290	TGT Cys	TCA Ser	AAT Asn	TGG Trp	GTG Val 295	TGG Trp	CAA Gln	1019		
TCT Ser	ACA Thr	CAA Gln 300	GAT Asp	GTT Val	TTT Phe	TAT Tyr	AAT Asn 305	GGA Gly	GCT Ala	TAT Tyr	TTT Phe	GTA Val 310	TCA Ser	TCA Ser	GGG Gly	1067		
AAA Lys 315	TAT Tyr	GAA Glu	GGG Gly	GGT Gly	AAT Asn	ATA Ile 320	TAC Tyr	ACA Thr	AAG Lys	AAA Lys	GAA Glu 325	GCT Ala	TTC Phe	AAT Asn	GTT Val	1115		
GAG Glu 330	AAT Asn	GGG Gly	AAT Asn	GCA Ala	ACT Thr 335	CCT Pro	CAA Gln	TTG Leu	ACA Thr	AAA Lys 340	AAT Asn	GCT Ala	GGG Gly	GTT Val	TTA Leu 345	1163		
ACA Thr	TGC Cys	TCT Ser	CTC Leu	TCT Ser 350	AAA Lys	CGT Arg	TGT Cys	TGATGATGCA			TATATTCTAG		CATGTTGTAC			1217		
TATCTAAATT			AACATCAACA			AGAAAATATA			TCATGATGTA			TATTGTTGTA			TTGATGTCAA		1277	
AATAAAAATG			TATCTTTTAC			TATTAAAAAA			AAAAATGATC			GATCGGACGG			TACCTCTAGA-3'			1337